भारतीय मानक
Indian Standard

IS 729 : 2021

दराज के ताले, अलमारी के ताले और बाक्स के ताले — विशिष्टि

(चौथा पुनरीक्षण)

Drawer Locks, Cupboard Locks and Box Locks — Specification

(Fourth Revision)

ICS 91.190

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भारतीय मानक ब्यूरो
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November 2021 **Price Group 7**

Utensils, Cutlery and Domestic Hardware Sectional Committee, MED 33

FOREWORD

This Indian Standard (Fourth Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Utensils, Cutlery and Domestic Hardware Sectional Committee had been approved by the Mechanical Engineering Divisional Council.

This standard was first published in 1956 and revised in 1963, 1969 and 1979.

In this revision following major changes have been made:

a) Salt spray test for body plate and body cover plate has been modified;
b) Grades of the typical material used for manufacture of lock have been updated;
c) Marking and packing clause have been updated; and
d) Reference standards have been updated

The composition of the committee responsible for the formulation of this standard is given in Annex B.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated, expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

DRAWER LOCKS, CUPBOARD LOCKS AND BOX LOCKS — SPECIFICATION

(Fourth Revision)

1 SCOPE

This standard lays down the requirements regarding materials, dimensions, non-interchangeability, manufacturer and finish of drawer locks, cupboard locks and box locks.

2 REFERENCES

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed below:

IS No	*Title*
292 : 1983	Specification for leaded brass ingots and casting (*second revision*)
410 : 1977	Specification for cold rolled brass sheet, strip and foil (*third revision*)
617 : 1994	Cast aluminium and its alloys-ingots and castings for general engineering purposes — Specification (*third revision*)
737 : 2008	Wrought aluminium and aluminium alloy sheet and strip for general engineering purposes — Specification (*fourth revision*)
740 : 1977	Specification for wrought aluminium and aluminium alloy rivet stock for general engineering purposes (*second revision*)
1068 : 1993	Electroplated coatings of nickel plus chromium and copper plus nickel plus chromium — Specification (*third revision*)
1079 : 2017	Hot rolled carbon steel sheet, plate and strip — Specification (*seventh revision*)
1365 : 2005	Slotted countersunk flat head screws (common head style) — Product grade A (*fourth revision*)
1573 : 1986	Specification for electroplated coatings of zinc on iron and steel (*second revision*)
1868 : 1996	Anodic coatings on aluminium and its alloys — Specification (*third revision*)
2704 : 1983	Brass wires for cold-headed and machined parts (*first revision*)
4454 (Part 1) : 2001	Steel wire for mechanical springs — Specification Part 1 Cold drawn unalloyed steel wire (*third revision*)
6911 : 2017	Stainless steel plate, sheet and strip — Specification (*second revision*)
7608 : 1987	Specification for phosphor bronze wires for general engineering purposes (*first revision*)
9844 : 1981	Methods of testing corrosion resistance of electroplated and anodized aluminium coatings by neutral salt spray test
14329 : 1995	Malleable iron castings — Specification

3 DEFINITIONS

3.1 Fore end or Front — The part of lock through which the bolt or bolts protrude.

3.2 Rear End — The end of the lock opposite the fore end.

4 SIZES

4.1 The standard sizes of locks shall be 40, 50, 65 and 75 mm and any other size as agreed to between the purchaser and the supplier.

4.1.1 The size of the lock shall be denoted by the overall length of the body in millimeters measured from the outside face of the fore end to the rear end (*see* A in Fig. 1, 2 and 3).

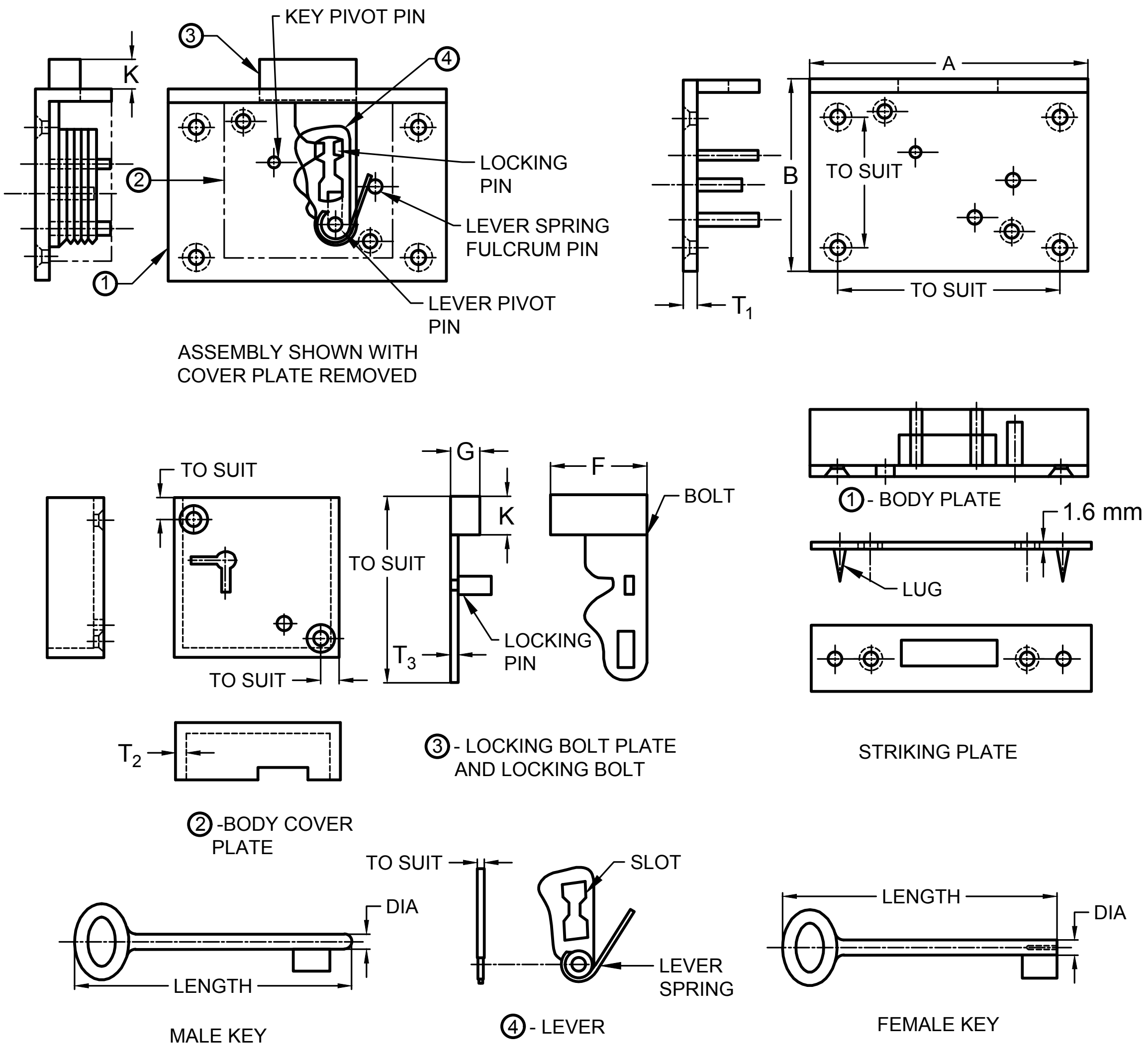

Fig. 1 Typical Design of Drawer Lock

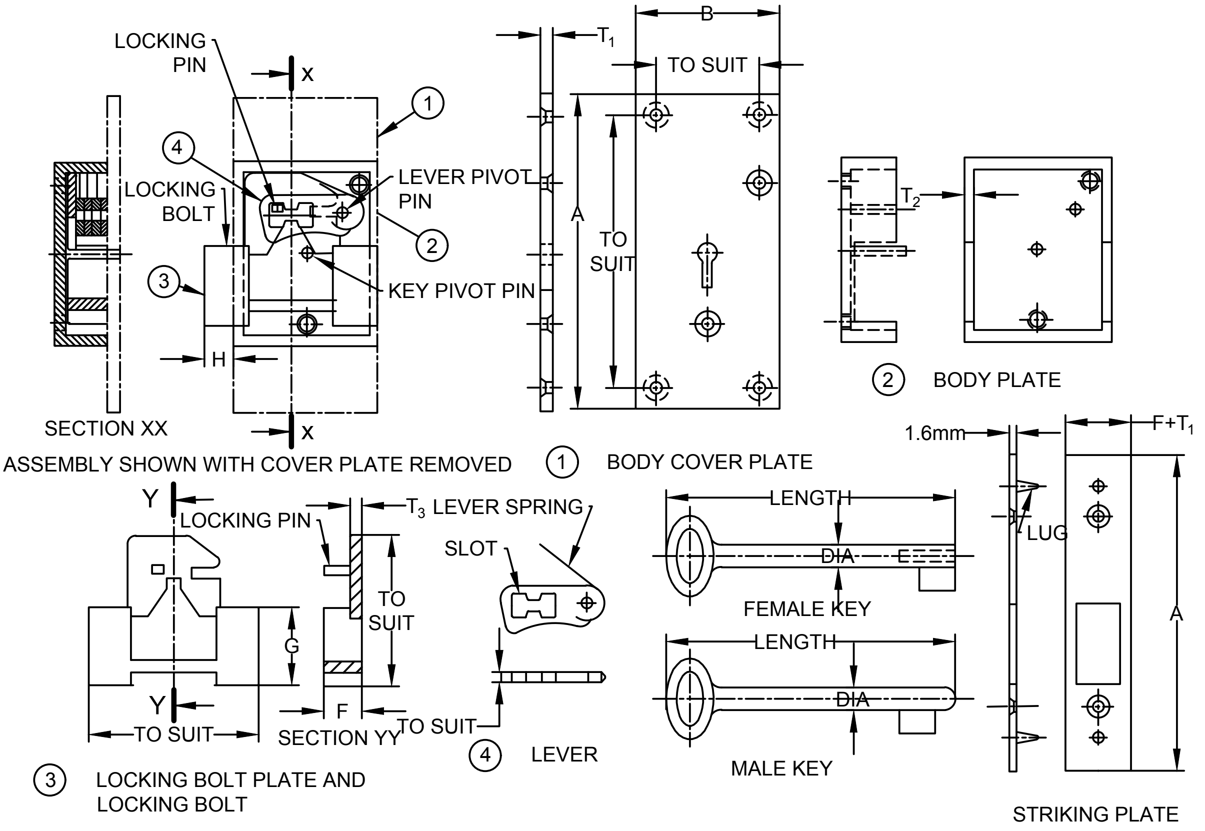

Fig. 2 Typical Design of Cupboard Lock

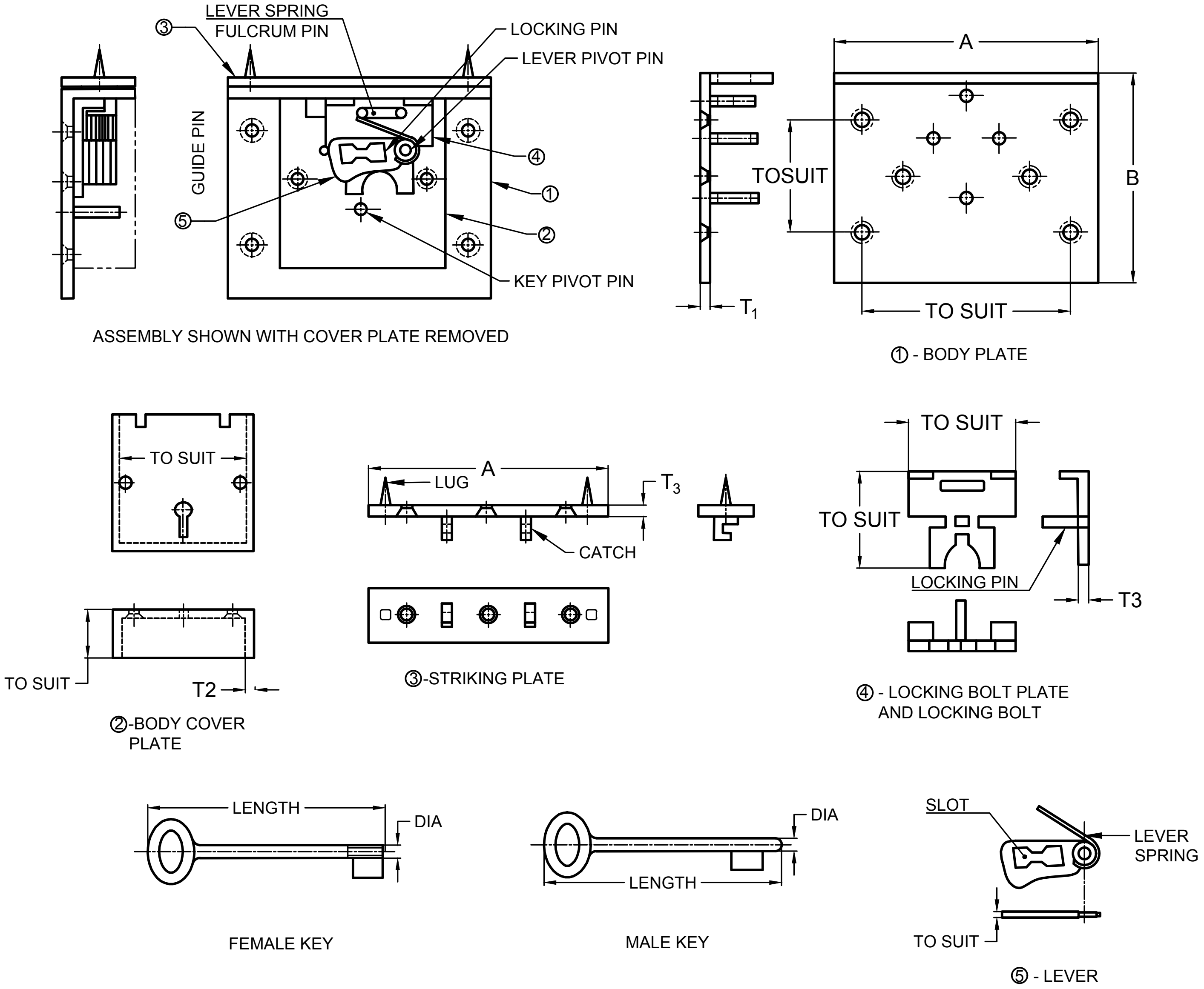

Fig. 3 Typical Design of Box Lock

4.2 The locks of sizes other than those specified in **4.1** may be supplied by agreement between the purchaser and the supplier but the provisions laid down in this standard shall be generally followed.

5 GRADES

5.1 The drawer locks, cupboard locks and box locks shall be of the following two grades:

a) Grade 1 — Heavy, and
b) Grade 2 — Light.

6 SHAPE AND DESIGN

The shape, design and mechanism of drawer locks, cupboard locks and box locks and their components indicated in Fig. 1, 2 and 3 respectively are illustrative only. The manufacturer may make locks of any shape other than those indicated in this standard to suit his design.

7 MATERIALS

The materials used in the manufacturer of various component parts of the drawer locks, cupboard locks and box locks shall comply with the requirements given in Table 1 and Table 2. Other materials may also for be used as per agreement to between the purchaser and the manufacturer.

8 DIMENSIONS

The leading dimensions of drawer locks, cupboard locks and box locks having lever mechanism, and their components and tolerances thereon, shall conform to those given in Table 3, 4 and 5 respectively.

9 MANUFACTURE

9.1 General

The drawer locks, cupboard locks and box locks shall consist essentially of a body plate with cover, locking bolt, locking bolt plate, locking mechanism and striking plate.

9.2 Drawer Locks

9.2.1 *Body Plate*

The body plate shall be of 'L' shape. The 'L' shall have a slot accurately cut in its centre to suit the locking bolt. It shall have four holes drilled and countersunk at the back at convenient points in it to facilitate fixing and two holes drilled and threaded to facilitate assembly. An additional hole shall be drilled to suit the end of the keys in case male keys are provided. The mild steel body cover plate shall be zinc plated as per IS 1573 and shall be checked for corrosion resistance by salt spray test as per IS 9844. Immediately following the neutral salt spray test, and cleaning of the body plate, no sign of red rust is allowed which cannot be removed by wiping with a moist soft cloth. The body plate shall be cleaned once in every 24 h.

9.2.2 *Body Cover Plate*

The body cover plate shall be of either aluminium alloy casting or aluminium alloy sheet, or cast brass, or mild steel sheet or stainless steel sheet or brass sheet and shall have two slots cut in it for working the key. It shall have two holes drilled and countersunk at the front to facilitate assembling. It shall also have a hole drilled to fit accurately the lever pivot pin. The mild steel body cover plate shall be zinc plated as per IS 1573 and shall be checked for corrosion resistance by salt spray test as per IS 9844. Immediately following the neutral salt spray test, and cleaning of the body cover plate, no sign of red rust is allowed which cannot be removed by wiping with a moist soft cloth. The body cover plate shall be cleaned once in every 24 h.

9.2.3 *Striking Plate*

The striking plate shall be of either cast brass or brass sheet or aluminium alloy castings or aluminium alloy sheet, mild steel/stainless steel sheet and shall have two pointed lugs cast integral with it; and shall have two or three holes, drilled and countersunk on the front to facilitate fixing. The catch plate (not shown in the figures) shall have a slot cut at its centre to suit the bolt.

9.2.4 *Locking Mechanism*

The locking mechanism shall be either of ordinary lever type or any of other type approved by the purchaser.

9.2.5 *Levers*

Ordinary lever mechanism (*see* Fig. 1 and 2 for illustration) shall be fitted with 4, 5 or 6 levers as specified by the purchaser. The thickness of the lock shall depend on the number of levers subject to a minimum thickness of 1.1 mm for levers. The levers shall be of uniform thickness and smooth on both faces so as to obtain parallelism.

9.2.5.1 The slots in the levers shall be accurately cut so as to closely correspond with the respective wards of the key. The holes in the levers for the pivot pins shall be drilled or machine punched to the correct size. Hand punching of the holes shall not be permitted. However, holes may be provided in the casting itself when manufactured by casting and shall be machined to the correct size.

9.2.5.2 The false (dummy) levers shall not be used. The levers shall work without any appreciable friction or shake on the pivot pin. The holes and slots in the levers shall be free from burrs.

Table 1 Materials for Various Component Parts of Drawer Locks, Cupboard Locks and Box Locks

(*Clauses* 7 *and* 9.2.6)

Sl No.	Component	Material											
		Mild Steel	Cast Brass	Brass Sheet	Brass Wire	Phosphor Bronze Wire	Spring Steel Wire	Aluminium Alloy Pressure Die Castings	Aluminium Alloy Sheet	Aluminium Alloy	Stainless Steel	Malleable Iron	Zinc Die
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
i)	Body cover plate	Yes	Yes	Yes	–	–	–	Yes	Yes	–	Yes	–	Yes
ii)	Body plate	Yes	Yes	Yes	–	–	–	Yes	Yes	–	Yes	–	Yes
iii)	Key	Yes	Yes	Yes	–	–	–	–	–	–	Yes	Yes	Yes
iv)	Key pivot pin	Yes	Yes	–	–	–	–	–	–	–	Yes	–	Yes
v)	Lever	Yes	Yes	Yes	–	–	–	–	–	–	Yes	–	–
vi)	Lever cover plate	–	–	Yes	–	–	–	–	–	–	Yes	–	–
vii)	Lever pivot pin	Yes	Yes	–	–	–	–	–	–	–	Yes	–	–
viii)	Lever spring	–	–	–	Yes	Yes	Yes	–	–	–	–	–	–
ix)	Lever spring ful–crum pin	Yes	Yes	–	–	–	–	–	–	–	Yes	–	–
x)	Locking bolt	Yes	Yes	Yes	–	–	–	–	–	–	Yes	–	Yes
xi)	Locking bolt plate	–	Yes	–	–	–	–	–	–	–	Yes	–	–
xii)	Locking pin	Yes	Yes	–	–	–	–	–	–	–	Yes	–	–
xiii)	Screws	Yes	Yes	–	Yes	–	–	–	–	–	Yes	–	–
xiv)	Striking plate	Yes	Yes	Yes	–	–	–	Yes	Yes	–	Yes	–	–

Table 2 Requirements of Materials

(*Clauses* 7 *and* 9.2.6 **)**

Sl No. (1)	Materials (2)	Suitable Grades in Indian Standard (3)
i.	Mild steel	IS 1079
ii.	Cast brass	LCB1 or LCB2 of IS 292
iii.	Brass sheet	CuZn40 of IS 410
iv.	Brass wire	IS 2704
v.	Phosphor bronze wire	IS 7608
vi.	Spring steel wire	SL, SM or SH of IS 4454 (Part I)
vii.	Aluminium alloy pressure die casting	5230 or 4600 of IS 617
viii.	Aluminium alloy sheet	52000 of IS 737
ix.	Aluminium alloy	IS 740
x.	Stainless Steel	410S, 420S1, 420S2, 201 or 201A or 202 or 303S1 of IS 6911
xi.	Malleable iron	BM300, BM320 or BM350 of IS 14329
xii.	Zinc plating on steel	Class Fe Zn 5 of IS 1573

9.2.6 *Lever Spring*

Each lever shall be fitted with one flat or flattened wire spring which shall comply with the materials specified in Tables 1 and 2. Lever springs when made out of steel wire shall be electroplated to avoid corrosion. The lever spring fitted in to the lever shall withstand the following tests without showing any sign of permanent set:

a) The lever spring shall be pressed down completely so as to touch the top edge of the lever and released. This shall be repeated 12 times, and

b) The lever shall also withstand a transverse load of 15 kgf (1.5 N) before failure of the joint between the lever and the spring takes place.

NOTE — The lever shall be rigidly held flat and point load of 15 kgf (1.5 N) applied to the spring gradually.

9.2.7 *Locking Bolt*

The locking bolt shall be cast or fabricated integral with the locking bolt plate.

9.2.8 *Locking Bolt Plate*

The locking bolt plate shall have a guide slot to suit the lever pivot pin and a cut on its side for engaging the key.

9.2.9 *Locking Pin*

The locking pin shall be either square or rectangular in section and shall be of mild steel or brass. It shall pass through the locking bolt plate, shouldered and countersunk riveted at the back. If specified by the purchaser, the locking pin may be cast integral with the locking bolt plate.

9.2.10 *Lever Pivot Pin, Lever Spring Fulcrum Pin and Key Pivot Pin*

The lever pivot pin, the lever spring fulcrum pin and the key pivot pin shall be of mild steel in the case of brass body and of stainless steel in the case of aluminium alloy body, and fitted to the body plate by passing through it and countersunk riveted at the back. If specified by the purchaser, the pins of brass may be used and shall be cast integral with the body plate or shouldered and countersunk riveted. The lever pivot pin and the key pivot pin shall be finished smooth and truly round.

9.2.11 *Screws*

Screws for fixing the body cover plate to the body plate shall be countersunk head machined screws conforming to IS 1365. Screws shall be of mild steel and protected against corrosion. However, the screws may be of brass in case of aluminium alloy bodies.

9.3 Cupboard Locks

9.3.1 *Body Plate*

The body plate shall have two cuts on its sides to suit the locking bolt. It shall have two holes drilled and threaded to facilitate assembling. An additional hole shall be drilled to suit the end of the key in case male keys are provided. Mild steel body plate shall be zinc plated according to designation FeZn5 of IS 1573.

9.3.2 The body cover plate, locking mechanism, levers, lever springs, locking bolt, locking pin, lever pivot pin, lever spring fulcrum pin, key pivot pin, striking plate and screws shall conform to their appropriate requirements laid down under **9.1**.

Table 3 Dimensions of Drawer Locks

(*Clause* 8.1 *and* Fig. 1)

All dimensions in millimeters

Sl No.	**Nominal Size**	**A**	**B**	**F Min**	**G Min**	**K Min**	**T_1**		**T_2**		**T_3**		**Thickness of spring wire**	**Hole to accommodate screw of designation No.**	**Keys**		
							Casting *Min*	Sheet *Min*	Casting *Min*	Sheet *Min*	Casting *Min*	Sheet			Thick of ward	Out-side dia	length
												Min	*Min*				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
i)	**Grade 1**																
ii)	40	40	29	14	5	5	2.0	1.25	2.0	1.25	1.6	1.25	0.90	4	1.6	3.2	40
iii)	50	50	38	17	6	6	2.0	1.25	2.0	1.25	2.0	1.25	1.25	4	1.8	3.6	50
iv)	65	65	48	22	7	7	2.0	1.25	2.0	1.25	2.0	1.25	1.25	6	2.0	4.5	65
v)	75	75	50	24	8	8	2.5	1.25	2.5	1.25	2.5	1.25	1.60	6	2.2	5.0	75
vi)	**Grade 2**																
vii)	40	40	29	14	5	5	2.0	1.25	1.6	1.25	1.6	1.25	0.90	4	1.6	3.2	40
viii)	50	50	36	17	6	6	2.0	1.25	1.6	1.25	1.6	1.25	1.25	4	1.8	3.6	50
ix)	65	65	38	20	7	7	2.0	1.25	1.6	1.25	1.6	1.25	1.25	6	2.0	4.5	65
x)	75	75	41	22	8	8	2.0	1.25	2.0	1.25	2.0	1.25	1.25	6	2.0	4.5	75
xi)	Tolerances	± 2	± 1	–	–	–	–	–	–	–	–	–	–	–	± 0.2	± 0.3	–

Table 4 Dimensions of Cupboard Locks

(*Clause* 8.1 *and* Fig. 2)

All dimensions in millimeters

Sl No.	**Nominal Size**	**A**	**B**	**F** ***Min***	**G** ***Min***	**K** ***Min***	**T_1**		**T_2**		**T_3**		**Thickness of spring wire**	**Hole to accommodate screw of designation No.**	**Keys**		
							Casting *Min*	Sheet *Min*	Casting *Min*	Sheet *Min*	Casting *Min*	Sheet *Min*	*Min*		Thick of ward	Out side dia	length
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
i)	**Grade 1**																
ii)	40	40	29	8	11	6	2	1.25	2	1.25	1.6	1.25	0.9	4	1.6	3.2	40
iii)	50	50	32	8	13	6	2	1.25	2	1.25	2	1.25	1.25	4	1.8	3.6	50
iv)	65	65	35	10	16	8	2	1.25	2	1.25	2	1.25	1.25	6	2	4.5	65
v)	75	75	38	10	19	8	2.5	1.25	2.5	1.25	2.5	1.25	1.6	6	2.2	5	75
vi)	**Grade 2**																
vii)	40	40	27	7	9.5	5	1.6	1.25	2	1.25	1.6	1.25	0.9	4	1.6	3.2	40
viii)	50	50	29	7	11	5	1.6	1.25	2	1.25	1.6	1.25	1.25	4	1.8	3.6	50
ix)	65	65	32	8.5	14	7	1.6	1.25	2	1.25	1.6	1.25	1.25	6	2	4.5	65
x)	75	75	35	8.5	16	7	2	1.25	2	1.25	2	1.25	1.6	6	2	5	75
xi)	Tolerances	± 2	± 1	–	–	–	–	–	–	–	–	–	–	–	± 0.2	± 0.3	–

Table 5 Dimensions of Box Locks

(*Clause* **8.1** *and* Fig. 3)

All dimensions in millimeters

Sl No.	**Nominal Size**	**A**	**B**	**T_1**		**T_2**		**T_3**		**Thickness of spring wire Min**	**Hole to accommodate screw of designation No.**	**Keys**		
				Casting Min	Sheet Min	Casting Min	Sheet Min	Casting Min	Sheet Min			Thick of ward	Out side dia	length
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
i)	**Grade 1**													
ii)	40	40	29	2	1.25	2	1.25	1.6	1.25	0.9	4	1.6	3.2	40
iii)	50	50	38	2	1.25	2	1.25	2	1.25	1.25	4	1.8	3.6	50
iv)	65	65	48	2	1.25	2	1.25	2	1.25	1.25	6	2	4.5	65
v)	75	75	50	2.5	1.25	2.5	1.25	2.5	1.25	1.6	6	2.2	5	75
vi)	**Grade 2**													
vii)	40	40	29	2	1.25	1.6	1.25	1.6	1.25	0.9	4	1.6	3.2	40
viii)	50	50	36	2	1.25	1.6	1.25	1.6	1.25	1.25	4	1.8	3.6	50
ix)	65	65	38	2	1.25	1.6	1.25	1.6	1.25	1.25	6	2	4.5	65
x)	75	75	41	2	1.25	2	1.25	2	1.25	1.6	6	2.2	5	75
xi)	Tolerances	± 2	± 1	–	–	–	–	–	–	–	–	± 0.2	± 0.3	–

9.3.3 *Locking Bolt Plate*

The locking bolt plate shall have a slot of suitable size at its centre for engaging the key and a cut on its side to suit the lever pivot pin.

9.4 Box Locks

9.4.1 *Body Plate*

The body plate shall be of 'L' shape. The 'L' shall have two slots accurately cut in it to suit the latches. It shall have four holes drilled and countersunk at the back at convenient points to facilitate fixing and two holes drilled and threaded to facilitate assembling. An additional hole shall be drilled to suit the key in case male keys are provided. Mild steel body plate shall be zinc plated according to designation FeZn5 of IS 1573.

9.4.2 *Body Cover Plate*

The body cover plate shall conform to the requirements laid down under **9.1.2**. In addition, the top edge of the body cover plate shall be cut at two places to accommodate the catches.

9.4.3 *Striking Plate*

The striking plate shall have two pointed lugs and shall have two or three holes drilled and countersunk on the front to facilitate fixing. The striking plate shall have two catches. The catches in the case of brass striking plate shall be of brass, cast integral with the catch plate or mild steel fitted accurately to the catch plate, square shouldered and riveted at the back of the plate and shall be of aluminium alloy in the case of aluminium alloy striking plate.

9.4.4 The locking mechanism, levers, lever springs, locking bolt, locking bolt plate, locking pin, lever pivot pin, lever spring fulcrum pin, key pivot pin and screws shall conform to their appropriate requirements laid down under **9.1**.

9.5 Keys

9.5.1 Each lock shall be provided with a minimum of two keys.

9.5.2 The keys shall be either of the female or male type as specified by the purchaser.

9.5.3 The keys shall function smoothly and without any appreciable friction in the lock. The wards shall be evenly cut, clearly defined and free from burrs. The engaging ends of the key wards shall be rounded. The mild steel or malleable cast iron keys shall be nickel and chromium plated and shall conform to Service condition No. 2 of IS 1068. The keys may also be made out of stainless steel or brass of required by the purchaser.

9.5.4 The keys shall be suitably tied to the lock so that they are not lost or interchanged in transit.

9.6 Assembly

The components of the lock in the finally assembled position shall not be able to move relative to each other, without the application of key.

10 NON-INTERCHANGEABILITY

10.1 Four-lever Locks

The drawer locks, cupboard locks and box locks shall be manufactured to have non-interchangeable keys in a batch consisting of a minimum of 250 locks. In case non-interchangeability in a higher number is required, it shall be so specified by the purchaser at the time of placing the order. A master key may be supplied if required by the purchaser.

10.1.1 For the purpose of testing non-interchangeability 10 locks from each batch of 250 locks shall be so selected that the wards of the keys differ from each other slightly. These locks shall then be tested for non-interchangeability. If key of any of the locks opens any other locks, amongst the 10 locks, the lot shall be rejected.

10.2 Locks with More Than Four Levers

The drawer locks, cupboard locks and box locks shall be manufactured so as to have non-interchangeability in a batch consisting of a minimum of 500 locks. In case, non-interchangeability in a higher number is required, it shall be so specified by the purchaser at the time of placing the order. A master key may be supplied if required by the purchaser.

10.2.1 For the purpose of testing non-interchangeability, 20 locks from each batch of 500 locks shall be so selected that the wards of the keys differ from each other slightly. These locks shall then be tested for non-interchangeability. If key of any of the locks opens any other lock amongst the 20 locks, the whole lot shall be rejected.

11 WORKMANSHIP AND FINISH

11.1 Each lock shall be free from defects likely to prevent its correct fixing or affect adversely its reliability in use.

11.2 Unless specified otherwise, brass locks and keys shall be finished bright. Aluminium alloy locks shall be anodized. The anodic coating shall not be less than the Grade AC15 of IS 1868. The anodic film may be either transparent or dyed as specified by the purchaser. Locks may also be lacquered or spirit polished if required by the purchaser.

12 MARKING

12.1 Each lock shall be stamped with the following information:

a) Manufacturer’s name or trademark;
b) Number of levers;
c) Size of the locks and grade;
d) Serial number of the lock; ande) Year of supply (if specified by the purchaser).

12.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act*, 2016 and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

12.3 The key shall be stamped with the serial number of the lock to which it relates.

13 PACKING

13.1 Each lock, along with keys, shall be suitably packed as per agreement to between the purchaser and the manufacturer.

13.2 Each box may contain min of 10 locks or in multiples of 10 locks.

13.3 Each box shall be marked with the following information:

a) Manufacturer’s name or trademark;
b) Type and grade of the lock;
c) Size of the lock;
d) Quantity; and
e) Country of Origin.

14 SAMPLING AND CRITERION FOR CONFORMITY

Sampling and inspection of consignment of locks shall be carried out in accordance with the provisions laid down in Annex A.

ANNEX A

(*Clause* 14)

SAMPLING AND CRITERION FOR CONFORMITY

A-1 LOT

A-1.1 In any consignment all the locks of the same type, grade and size manufactured from the same raw materials under essentially similar conditions of manufacture shall be grouped together to constitute a lot.

A-1.2 For ascertaining the conformity of a lot to the requirements to this standard, the sample of locks shall be selected and tested separately for each lot.

A-2 SELECTION OF SAMPLE

A-2.1 The number of locks to be selected at random from a lot shall depend on the size of the lot and shall be in accordance with col 2 and 3 of Table 6.

A-2.2 The locks in the sample shall be selected at random from the lot and in order to ensure randomness of selection, random number table may be used.

A-3 NUMBER OF TESTS

The locks selected according to **A-2.2** shall be inspected for dimensions, workmanship and finish, manufacturing details and smooth working.

A-4 CRITERIA FOR CONFORMITY

The lot shall be considered as conforming to these requirements if the number of locks failing in any one or more of the requirements does not exceed the permissible number of defective locks in col 4 of Table 6.

Table 6 Sample Size and Criteria for Conformity

(*Clauses* A-2.1 *and* A-4)

Sl No. (1)	Lot Size (2)	Sample Size (3)	Permissible Number of Defectives (4)
i)	Up to 100	8	0
ii)	101 to 150	13	0
iii)	151 to 300	20	0
iv)	301 to 500	32	1
v)	501 to 1 000	50	2
vi)	1 001 and above	80	3

ANNEX B

(*Foreword*)

COMMITTEE COMPOSITION

Utensils, Cutlery Domestic Hardware Sectional Committee, MED 33

Organization	*Representative(s)*
Office of Development Commissioner, Chennai	Shri G. Shanmuganathan (***Chairman***)
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